Vincenza Cozzolino

List of Publications by Year
in descending order

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20 papers	718 citations	567281 15 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	695 citing authors

#	Article	IF	Citations
1	The molecular characteristics of compost affect plant growth, arbuscular mycorrhizal fungi, and soil microbial community composition. Biology and Fertility of Soils, 2016, 52, 15-29.	4.3	87
2	Impact of arbuscular mycorrhizal fungi applications on maize production and soil phosphorus availability. Journal of Geochemical Exploration, 2013, 129, 40-44.	3.2	84
3	Molecular characteristics of water-extractable organic matter from different composted biomasses and their effects on seed germination and early growth of maize. Science of the Total Environment, 2017, 590-591, 40-49.	8.0	64
4	Humic-like bioactivity on emergence and early growth of maize (Zea mays L.) of water-soluble lignins isolated from biomass for energy. Plant and Soil, 2016, 402, 221-233.	3.7	50
5	Molecular composition of the Humeome extracted from different green composts and their biostimulation on early growth of maize. Plant and Soil, 2018, 429, 407-424.	3.7	44
6	Humic-Like Water-Soluble Lignins from Giant Reed (Arundo donax L.) Display Hormone-Like Activity on Plant Growth. Journal of Plant Growth Regulation, 2017, 36, 995-1001.	5.1	42
7	Molecular evaluation of soil organic matter characteristics in three agricultural soils by improved off-line thermochemolysis: The effect of hydrofluoric acid demineralisation treatment. Analytica Chimica Acta, 2013, 802, 46-55.	5.4	41
8	Water-Soluble Lignins from Different Bioenergy Crops Stimulate the Early Development of Maize (Zea) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.8	39
9	Quantitative Structure-Activity Relationship of Humic-Like Biostimulants Derived From Agro-Industrial Byproducts and Energy Crops. Frontiers in Plant Science, 2020, 11, 581.	3.6	39
10	Molecular Characterization of Extracts from Biorefinery Wastes and Evaluation of Their Plant Biostimulation. ACS Sustainable Chemistry and Engineering, 2017, 5, 9023-9031.	6.7	33
11	Antibacterial and antioxidant properties of humic substances from composted agricultural biomasses. Chemical and Biological Technologies in Agriculture, 2022, 9, .	4.6	28
12	The Soil Humeome: Chemical Structure, Functions and Technological Perspectives. , 2019, , 183-222.		26
13	The Molecular Composition of Humus Carbon: Recalcitrance and Reactivity in Soils. , 2018, , 87-124.		25
14	Effective carbon sequestration in Italian agricultural soils by in situ polymerization of soil organic matter under biomimetic photocatalysis. Land Degradation and Development, 2018, 29, 485-494.	3.9	24
15	Valorization of lignins from energy crops and agroâ€industrial byproducts as antioxidant and antibacterial materials. Journal of the Science of Food and Agriculture, 2022, 102, 2885-2892.	3.5	21
16	Novel fertilising products from lignin and its derivatives to enhance plant development and increase the sustainability of crop production. Journal of Cleaner Production, 2022, 366, 132832.	9.3	20
17	Replacing calcium with ammonium counterion in lignosulfonates from paper mills affects their molecular properties and bioactivity. Science of the Total Environment, 2018, 645, 411-418.	8.0	19
18	Bioactivity of two different humic materials and their combination on plants growth as a function of their molecular properties. Plant and Soil, 2022, 472, 509-526.	3.7	12

#	Article	IF	Citations
19	Soil Amendments with Lignocellulosic Residues of Biorefinery Processes Affect Soil Organic Matter Accumulation and Microbial Growth. ACS Sustainable Chemistry and Engineering, 2020, 8, 3381-3391.	6.7	11
20	High-Resolution Magic-Angle-Spinning NMR and Magnetic Resonance Imaging Spectroscopies Distinguish Metabolome and Structural Properties of Maize Seeds from Plants Treated with Different Fertilizers and Arbuscular mycorrhizal fungi. Journal of Agricultural and Food Chemistry, 2018, 66, 2580-2588.	5.2	9